

## WATER TREATMENT PLANT OPERATOR (A) - 2921

### GENERAL DEFINITION AND CONDITIONS OF WORK:

Performs intermediate technical and skilled work operating the water treatment plant; does related work as required. Work is performed under regular supervision.

This is heavy work requiring the exertion of 100 pounds of force occasionally, up to 50 pounds of force frequently, and up to 20 pounds of force constantly to move objects; work requires climbing, stooping, kneeling, crouching, reaching, standing, walking, lifting, fingering, grasping, and feeling; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, color perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms length, operation of machines, operation of motor vehicles or equipment, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, hazards, atmospheric conditions, and wearing a self contained breathing apparatus.

### ESSENTIAL FUNCTIONS/TYPICAL TASKS:

#### **Operating the water treatment plant; taking samples; performing tests; ensuring proper plant operation; maintaining records and files; preparing reports.**

Makes regular inspection of plant and equipment to ascertain that it is in proper operation at all times, takes appropriate corrective action when required;

Collects samples for testing; performs tests relating to plant operations;

Checks all plant equipment and biological and chemical systems for proper operation and takes necessary corrective actions;

Recommends and makes changes in plant process as necessary to improve plant efficiency;

Replaces chlorine cylinders and regulates the flow of chlorine;

Reads meters, gauges and dials and keeps charts and logs of readings;

Reports needs for equipment repairs; responds to water quality complaints;

Backwashes filters; cleans intakes; fills chemical feeder hoppers;

Checks river and lake stations; observes water levels; checks pumps;

Mixes and prepares media for testing; verifies test for reliability;

Helps test new water lines;

Instructs and trains lower certified and trainee operators and assists them in preparation for advancement examinations;

Performs plant maintenance, groundskeeping, and housekeeping duties;

Performs laboratory tests and makes routine and special sample collections and treatments;

Keeps records and prepares reports;

Performs related tasks as required.

### KNOWLEDGE, SKILLS, AND ABILITIES:

Thorough knowledge of water treatment plant principles and operating practices; thorough knowledge of the operating characteristics and maintenance requirements of a water treatment plant; ability to detect flaws in the operation of equipment and to take proper remedial measures; ability to keep records and prepare reports; ability to establish and maintain effective working relationships with associates.

### EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school supplemented by on-the-job and formal instruction in water treatment plant operations and extensive experience in the operation of a water treatment plant.

### SPECIAL REQUIREMENTS:

Possession of a Grade A certification issued by the State of North Carolina.